

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	26	"5622868"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 12:55
S1	6	("4070284" "4154583" "4500432" "5117109" "5449902" "5512168").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/05/08 18:42
S2	38	("4070284").URPN.	USPAT	AND	ON	2007/05/08 18:47
S3	22	("4454043").URPN.	USPAT	AND	ON	2007/05/08 18:48
S4	10	("3686117"   "3700695"   "3950402"   "3954848"   "3966596"   "3969398"   "3977860"   "4070284"   "4073725").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/08 19:36
S5	10	("4454043"   "4724081"   "4806250"   "5443734"   "5503805"   "5641406"   "5705061"   "5792431"   "5872010"   "5906724").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/08 19:38
S6	10	("3458437"   "3686117"   "4204952"   "4267054"   "4274967"   "4314823"   "4454043"   "4551288").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/08 19:39
S7	23	("4724081").URPN.	USPAT	AND	ON	2007/05/08 19:39
S8	40	("4990259").URPN.	USPAT	AND	ON	2007/05/08 19:42
S9	22	("4454043").URPN.	USPAT	AND	ON	2007/05/09 13:17
S10	10	("3458437"   "3686117"   "4204952"   "4267054"   "4274967"   "4314823"   "4454043"   "4551288").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 13:17
S11	1801	(switching same valve\$2) and column\$2 and pump and analysis	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 13:19
S12	22	S11 and (reversing near4 valve\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 13:23
S13	40	S11 and ((revers\$5 near5 (fluid or sample)) same analysis)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 13:24
S14	14	("3530721").URPN.	USPAT	AND	ON	2007/05/09 13:28
S15	11	("4007626").URPN.	USPAT	AND	ON	2007/05/09 13:31

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S16	29	("3447360"   "3483731"   "3585002"   "3803384"   "3877894"   "4003257"   "4007626"   "4380168"   "4512897"   "4521225"   "4535620"   "4754136"   "4982052"   "5049509"   "5104810"   "5116764"   "5152176"   "5250093"   "5297433"   "5312756"   "5435169"   "5447556"   "5492555"   "5578271"   "5591406"   "5637787").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 13:33
S17	28	("5152176").URPN.	USPAT	AND	ON	2007/05/09 13:42
S18	0	S11 and (extraction nera4 process)	USPAT	AND	ON	2007/05/09 13:42
S19	248	S11 and (adsorbent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/09 13:42
S20	1	("5109714").URPN.	USPAT	AND	ON	2007/05/09 13:47
S21	20	("3211007"   "3286530"   "3349625"   "3482452"   "3500675"   "3555912"   "3884083"   "3969242"   "4067959"   "4270925"   "4305291"   "4414111"   "4645689"   "4704245").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 13:48
S22	10	("5208160").URPN.	USPAT	AND	ON	2007/05/09 13:50
S23	28	("5322626").URPN.	USPAT	AND	ON	2007/05/09 13:51

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S24	56	("3046098"   "4168324"   "4246291"   "4247385"   "4250331"   "4283280"   "4308200"   "4313828"   "4341804"   "4345976"   "4349415"   "4354922"   "4363717"   "4375387"   "4388171"   "4397731"   "4400559"   "4406742"   "4422966"   "4437938"   "4437939"   "4438816"   "4447310"   "4448669"   "4449586"   "4451363"   "4451364"   "4457812"   "4457846"   "4474994"   "4478715"   "4493797"   "4495095"   "4500432"   "4512899"   "4547292"   "4568495"   "4584140"   "4597943"   "4601906"   "4632837"   "4816159"   "4840730"   "4871453"   "4892654"   "4913821"   "4969993"   "4984602"   "5004538"   "5009778"   "5013443"   "5094741"   "5133859"   "5151178"   "5240603").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 15:33
S25	717	422/70 and column\$2 and valve\$2	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 15:34
S26	608	S25 and pump	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 15:34
S27	426	S26 and (port\$2 or rotary)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 15:34
S28	18	("4446105").URPN.	USPAT	AND	ON	2007/05/09 15:37
S29	25	("3373872"   "3508880"   "3676649"   "3923460"   "3926559"   "4003243"   "4271697"   "4364263"   "4446105"   "4577492"   "4699718"   "4751185"   "4859342"   "4952126"   "5071547"   "5093267"   "5135718"   "5234586"   "5419208"   "5630943"   "5645728"   "5983703"   "6175409").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/09 15:40
S30	27	("3373872").URPN.	USPAT	AND	ON	2007/05/09 15:45
S31	16	("5630943").URPN.	USPAT	AND	ON	2007/05/09 16:18
S32	20	"5630943"	USPAT	AND	ON	2007/05/09 16:19

## EAST Search History

S33	69	(direction near5 revers\$5 near5 valve\$2) and column and adsorbent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/23 12:55
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